RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: __10/774,192A__

Source: __1 FW16__

Date Processed by STIC: __3/23/07__

ENTERED

RAW SEQUENCE LISTING   DATE: 03/23/2007
PATENT APPLICATION: US/10/774,192A   TIME: 10:33:03

Input Set : A:\2872-US-CNT2 seq listing.txt
Output Set: N:\CRF4\03232007\J774192A.raw

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   3 <110> APPLICANT: Sims, John
   4        Born, Theresa
   6 <120> TITLE OF INVENTION: ACPL DNA and Polypeptides
   8 <130> FILE REFERENCE: 2872-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/774,192A
C--> 11 <141> CURRENT FILING DATE: 2004-02-06
  13 <150> PRIOR APPLICATION NUMBER: PCT/US99/01420
  14 <151> PRIOR FILING DATE: 1999-01-22
  16 <150> PRIOR APPLICATION NUMBER: 60/078,835
  17 <151> PRIOR FILING DATE: 1998-03-20
  19 <150> PRIOR APPLICATION NUMBER: 60/072,301
  20 <151> PRIOR FILING DATE: 1998-01-23
  22 <160> NUMBER OF SEQ ID NOS: 8
  24 <170> SOFTWARE: PatentIn version 3.4
  26 <210> SEQ ID NO: 1
  27 <211> LENGTH: 1845
  28 <212> TYPE: DNA
  29 <213> ORGANISM: Mus sp.
  32 <220> FEATURE:
  33 <221> NAME/KEY: CDS
  34 <222> LOCATION: (1)..(1845)
  36 <400> SEQUENCE: 1
  37 atg ctc tgt ttg ggc tgg gtg ttt ctt tgg ttt gtt gca gga gag aag      48
  38 Met Leu Cys Leu Gly Trp Val Phe Leu Trp Phe Val Ala Gly Glu Lys
  39 1               5                   10                  15
  41 acc aca gga ttt aat cat tca gct tgt gcc acc aaa aaa ctt ctg tgg      96
  42 Thr Thr Gly Phe Asn His Ser Ala Cys Ala Thr Lys Lys Leu Leu Trp
  43             20                  25                  30
  45 aca tat tct gca agg ggt gca gag aat ttt gtc cta ttt tgt gac tta     144
  46 Thr Tyr Ser Ala Arg Gly Ala Glu Asn Phe Val Leu Phe Cys Asp Leu
  47         35                  40                  45
  49 caa gag ctt cag gag caa aaa ttc tcc cat gca agt caa ctg tca cca     192
  50 Gln Glu Leu Gln Glu Gln Lys Phe Ser His Ala Ser Gln Leu Ser Pro
  51     50                  55                  60
  53 aca caa agt cct gct cac aaa cct tgc agt ggc agt cag aag gac cta     240
  54 Thr Gln Ser Pro Ala His Lys Pro Cys Ser Gly Ser Gln Lys Asp Leu
  55 65                  70                  75                  80
  57 tct gat gtc cag tgg tac atg caa cct cgg agt gga agt cca cta gag     288
  58 Ser Asp Val Gln Trp Tyr Met Gln Pro Arg Ser Gly Ser Pro Leu Glu
  59                 85                  90                  95
  61 gag atc agt aga aac tct ccc cat atg cag agt gaa ggc atg ctg cat     336
  62 Glu Ile Ser Arg Asn Ser Pro His Met Gln Ser Glu Gly Met Leu His
  63             100                 105                 110
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Input Set : A:\2872-US-CNT2 seq listing.txt
Output Set: N:\CRF4\03232007\J774192A.raw

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 65 ata ttg gcc cca cag acg aac agc att tgg tca tat att tgt aga ccc     384
 66 Ile Leu Ala Pro Gln Thr Asn Ser Ile Trp Ser Tyr Ile Cys Arg Pro
 67       115                 120                 125
 69 aga att agg agc ccc cag gat atg gcc tgt tgt atc aag aca gtc tta     432
 70 Arg Ile Arg Ser Pro Gln Asp Met Ala Cys Cys Ile Lys Thr Val Leu
 71       130                 135                 140
 73 gaa gtt aag cct cag aga aac gtg tcc tgt ggg aac aca gca caa gat     480
 74 Glu Val Lys Pro Gln Arg Asn Val Ser Cys Gly Asn Thr Ala Gln Asp
 75 145                 150                 155                 160
 77 gaa caa gtc cta ctt ctt ggc agt act ggc tcc att cat tgt ccc agt     528
 78 Glu Gln Val Leu Leu Leu Gly Ser Thr Gly Ser Ile His Cys Pro Ser
 79                 165                 170                 175
 81 ctc agc tgc caa agt gat gta cag agt cca gag atg acc tgg tac aag     576
 82 Leu Ser Cys Gln Ser Asp Val Gln Ser Pro Glu Met Thr Trp Tyr Lys
 83                 180                 185                 190
 85 gat gga aga cta ctt cct gag cac aag aaa aat cca att gag atg gca     624
 86 Asp Gly Arg Leu Leu Pro Glu His Lys Lys Asn Pro Ile Glu Met Ala
 87       195                 200                 205
 89 gat att tat gtt ttt aat caa ggc ttg tat gta tgt gat tac aca cag     672
 90 Asp Ile Tyr Val Phe Asn Gln Gly Leu Tyr Val Cys Asp Tyr Thr Gln
 91       210                 215                 220
 93 tca gat aat gtg agt tcc tgg aca gtc cga gct gtg gtt aaa gtg aga     720
 94 Ser Asp Asn Val Ser Ser Trp Thr Val Arg Ala Val Val Lys Val Arg
 95 225                 230                 235                 240
 97 acc att ggt aag gac atc aat gtg aag ccg gaa att ctg gat ccc att     768
 98 Thr Ile Gly Lys Asp Ile Asn Val Lys Pro Glu Ile Leu Asp Pro Ile
 99                 245                 250                 255
101 aca gat aca ctg gac gta gag ctt gga aag cct tta act ctc ccc tgc     816
102 Thr Asp Thr Leu Asp Val Glu Leu Gly Lys Pro Leu Thr Leu Pro Cys
103                 260                 265                 270
105 aga gta cag ttt ggc ttc caa aga ctt tca aag cct gtg ata aag tgg     864
106 Arg Val Gln Phe Gly Phe Gln Arg Leu Ser Lys Pro Val Ile Lys Trp
107       275                 280                 285
109 tat gtc aaa gaa tct aca cag gag tgg gaa atg tca gta ttt gag gag     912
110 Tyr Val Lys Glu Ser Thr Gln Glu Trp Glu Met Ser Val Phe Glu Glu
111       290                 295                 300
113 aaa aga att caa tcc act ttc aag aat gaa gtc att gaa cgt acc atc     960
114 Lys Arg Ile Gln Ser Thr Phe Lys Asn Glu Val Ile Glu Arg Thr Ile
115 305                 310                 315                 320
117 ttc ttg aga gaa gtt acc cag aga gat ctc agc aga aag ttt gtt tgc    1008
118 Phe Leu Arg Glu Val Thr Gln Arg Asp Leu Ser Arg Lys Phe Val Cys
119                 325                 330                 335
121 ttt gcc cag aac tcc att ggg aac aca aca cgg acc ata cgg ctg agg    1056
122 Phe Ala Gln Asn Ser Ile Gly Asn Thr Thr Arg Thr Ile Arg Leu Arg
123       340                 345                 350
125 aag aag gaa gag gtg gtg ttt gta tac atc ctt ctc ggc acg gcc ttg    1104
126 Lys Lys Glu Glu Val Val Phe Val Tyr Ile Leu Leu Gly Thr Ala Leu
127       355                 360                 365
129 atg ctg gtg ggc gtt ctg gtg gca gct gct ttc ctc tac tgg tac tgg    1152
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RAW SEQUENCE LISTING   DATE: 03/23/2007
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Input Set : A:\2872-US-CNT2 seq listing.txt
Output Set: N:\CRF4\03232007\J774192A.raw

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130 Met Leu Val Gly Val Leu Val Ala Ala Ala Phe Leu Tyr Trp Tyr Trp
131     370              375              380
133 att gaa gtt gtc ctg ctc tgt cga acc tac aag aac aaa gat gag act    1200
134 Ile Glu Val Val Leu Leu Cys Arg Thr Tyr Lys Asn Lys Asp Glu Thr
135 385              390              395              400
137 ctg ggg gat aag aag gaa ttc gat gca ttt gta tcc tac tcg aat tgg    1248
138 Leu Gly Asp Lys Lys Glu Phe Asp Ala Phe Val Ser Tyr Ser Asn Trp
139              405              410              415
141 agc tct cct gag act gac gcc gtg gga tct ctg agt gag gaa cac ctg    1296
142 Ser Ser Pro Glu Thr Asp Ala Val Gly Ser Leu Ser Glu Glu His Leu
143              420              425              430
145 gct ctg aat ctt ttc ccg gaa gtg cta gaa gac acc tat ggg tac aga    1344
146 Ala Leu Asn Leu Phe Pro Glu Val Leu Glu Asp Thr Tyr Gly Tyr Arg
147          435              440              445
149 ttg tgt ttg ctt gac cga gat gtg acc cca gga gga gtg tat gca gat    1392
150 Leu Cys Leu Leu Asp Arg Asp Val Thr Pro Gly Gly Val Tyr Ala Asp
151     450              455              460
153 gac att gtg agc atc att aag aaa agc cga aga gga ata ttt atc ctg    1440
154 Asp Ile Val Ser Ile Ile Lys Lys Ser Arg Arg Gly Ile Phe Ile Leu
155 465              470              475              480
157 agt ccc agc tac ctc aat gga ccc cgt gtc ttt gag cta caa gca gca    1488
158 Ser Pro Ser Tyr Leu Asn Gly Pro Arg Val Phe Glu Leu Gln Ala Ala
159              485              490              495
161 gtg aat ctt gcc ttg gtt gat cag aca ctg aag ttg att tta att aag    1536
162 Val Asn Leu Ala Leu Val Asp Gln Thr Leu Lys Leu Ile Leu Ile Lys
163              500              505              510
165 ttc tgt tcc ttc caa gag cca gaa tct ctt cct tac ctt gtc aaa aag    1584
166 Phe Cys Ser Phe Gln Glu Pro Glu Ser Leu Pro Tyr Leu Val Lys Lys
167     515              520              525
169 gct ctg cgg gtt ctc ccc aca gtc aca tgg aaa ggc ttg aag tcg gtc    1632
170 Ala Leu Arg Val Leu Pro Thr Val Thr Trp Lys Gly Leu Lys Ser Val
171     530              535              540
173 cac gcc agt tcc agg ttc tgg acc caa att cgt tac cac atg cct gtg    1680
174 His Ala Ser Ser Arg Phe Trp Thr Gln Ile Arg Tyr His Met Pro Val
175 545              550              555              560
177 aag aac tcc aac agg ttt atg ttc aac ggg ctc aga att ttc ctg aag    1728
178 Lys Asn Ser Asn Arg Phe Met Phe Asn Gly Leu Arg Ile Phe Leu Lys
179              565              570              575
181 ggc ttt tcc cct gaa aag gac cta gtg aca cag aaa ccc ctg gaa gga    1776
182 Gly Phe Ser Pro Glu Lys Asp Leu Val Thr Gln Lys Pro Leu Glu Gly
183          580              585              590
185 atg ccc aag tct ggg aat gac cac gga gct cag aac ctc ctt ctc tac    1824
186 Met Pro Lys Ser Gly Asn Asp His Gly Ala Gln Asn Leu Leu Leu Tyr
187          595              600              605
189 agt gac cag aag agg tgc tga                                        1845
190 Ser Asp Gln Lys Arg Cys
191     610
194 <210> SEQ ID NO: 2
195 <211> LENGTH: 614
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RAW SEQUENCE LISTING   DATE: 03/23/2007
PATENT APPLICATION: US/10/774,192A   TIME: 10:33:03

Input Set : A:\2872-US-CNT2 seq listing.txt
Output Set: N:\CRF4\03232007\J774192A.raw

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196 <212> TYPE: PRT
197 <213> ORGANISM: Mus sp.
199 <400> SEQUENCE: 2
201 Met Leu Cys Leu Gly Trp Val Phe Leu Trp Phe Val Ala Gly Glu Lys
202 1               5                   10                  15
205 Thr Thr Gly Phe Asn His Ser Ala Cys Ala Thr Lys Lys Leu Leu Trp
206             20                  25                  30
209 Thr Tyr Ser Ala Arg Gly Ala Glu Asn Phe Val Leu Phe Cys Asp Leu
210         35                  40                  45
213 Gln Glu Leu Gln Glu Gln Lys Phe Ser His Ala Ser Gln Leu Ser Pro
214     50                  55                  60
217 Thr Gln Ser Pro Ala His Lys Pro Cys Ser Gly Ser Gln Lys Asp Leu
218 65                  70                  75                  80
221 Ser Asp Val Gln Trp Tyr Met Gln Pro Arg Ser Gly Ser Pro Leu Glu
222             85                  90                  95
225 Glu Ile Ser Arg Asn Ser Pro His Met Gln Ser Glu Gly Met Leu His
226             100                 105                 110
229 Ile Leu Ala Pro Gln Thr Asn Ser Ile Trp Ser Tyr Ile Cys Arg Pro
230         115                 120                 125
233 Arg Ile Arg Ser Pro Gln Asp Met Ala Cys Cys Ile Lys Thr Val Leu
234     130                 135                 140
237 Glu Val Lys Pro Gln Arg Asn Val Ser Cys Gly Asn Thr Ala Gln Asp
238 145                 150                 155                 160
241 Glu Gln Val Leu Leu Leu Gly Ser Thr Gly Ser Ile His Cys Pro Ser
242             165                 170                 175
245 Leu Ser Cys Gln Ser Asp Val Gln Ser Pro Glu Met Thr Trp Tyr Lys
246             180                 185                 190
249 Asp Gly Arg Leu Leu Pro Glu His Lys Lys Asn Pro Ile Glu Met Ala
250         195                 200                 205
253 Asp Ile Tyr Val Phe Asn Gln Gly Leu Tyr Val Cys Asp Tyr Thr Gln
254     210                 215                 220
257 Ser Asp Asn Val Ser Ser Trp Thr Val Arg Ala Val Val Lys Val Arg
258 225                 230                 235                 240
261 Thr Ile Gly Lys Asp Ile Asn Val Lys Pro Glu Ile Leu Asp Pro Ile
262             245                 250                 255
265 Thr Asp Thr Leu Asp Val Glu Leu Gly Lys Pro Leu Thr Leu Pro Cys
266         260                 265                 270
269 Arg Val Gln Phe Gly Phe Gln Arg Leu Ser Lys Pro Val Ile Lys Trp
270         275                 280                 285
273 Tyr Val Lys Glu Ser Thr Gln Glu Trp Glu Met Ser Val Phe Glu Glu
274     290                 295                 300
277 Lys Arg Ile Gln Ser Thr Phe Lys Asn Glu Val Ile Glu Arg Thr Ile
278 305                 310                 315                 320
281 Phe Leu Arg Glu Val Thr Gln Arg Asp Leu Ser Arg Lys Phe Val Cys
282         325                 330                 335
285 Phe Ala Gln Asn Ser Ile Gly Asn Thr Thr Arg Thr Ile Arg Leu Arg
286         340                 345                 350
289 Lys Lys Glu Glu Val Val Phe Val Tyr Ile Leu Leu Gly Thr Ala Leu
290         355                 360                 365
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```
293 Met Leu Val Gly Val Leu Val Ala Ala Ala Phe Leu Tyr Trp Tyr Trp
294     370               375               380
297 Ile Glu Val Val Leu Leu Cys Arg Thr Tyr Lys Asn Lys Asp Glu Thr
298 385               390               395               400
301 Leu Gly Asp Lys Lys Glu Phe Asp Ala Phe Val Ser Tyr Ser Asn Trp
302               405               410               415
305 Ser Ser Pro Glu Thr Asp Ala Val Gly Ser Leu Ser Glu Glu His Leu
306               420               425               430
309 Ala Leu Asn Leu Phe Pro Glu Val Leu Glu Asp Thr Tyr Gly Tyr Arg
310         435               440               445
313 Leu Cys Leu Leu Asp Arg Asp Val Thr Pro Gly Gly Val Tyr Ala Asp
314     450               455               460
317 Asp Ile Val Ser Ile Ile Lys Lys Ser Arg Arg Gly Ile Phe Ile Leu
318 465               470               475               480
321 Ser Pro Ser Tyr Leu Asn Gly Pro Arg Val Phe Glu Leu Gln Ala Ala
322               485               490               495
325 Val Asn Leu Ala Leu Val Asp Gln Thr Leu Lys Leu Ile Leu Ile Lys
326               500               505               510
329 Phe Cys Ser Phe Gln Glu Pro Glu Ser Leu Pro Tyr Leu Val Lys Lys
330         515               520               525
333 Ala Leu Arg Val Leu Pro Thr Val Thr Trp Lys Gly Leu Lys Ser Val
334     530               535               540
337 His Ala Ser Ser Arg Phe Trp Thr Gln Ile Arg Tyr His Met Pro Val
338 545               550               555               560
341 Lys Asn Ser Asn Arg Phe Met Phe Asn Gly Leu Arg Ile Phe Leu Lys
342               565               570               575
345 Gly Phe Ser Pro Glu Lys Asp Leu Val Thr Gln Lys Pro Leu Glu Gly
346         580               585               590
349 Met Pro Lys Ser Gly Asn Asp His Gly Ala Gln Asn Leu Leu Leu Tyr
350         595               600               605
353 Ser Asp Gln Lys Arg Cys
354     610
357 <210> SEQ ID NO: 3
358 <211> LENGTH: 754
359 <212> TYPE: DNA
360 <213> ORGANISM: Homo sapiens
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (6)..(8)
366 <223> OTHER INFORMATION: "n" = a, t, c, g
368 <220> FEATURE:
369 <221> NAME/KEY: misc_feature
370 <222> LOCATION: (563)..(563)
371 <223> OTHER INFORMATION: "n" = a, t, c, g
373 <220> FEATURE:
374 <221> NAME/KEY: misc_feature
375 <222> LOCATION: (596)..(596)
376 <223> OTHER INFORMATION: "n" = a, t, c, g
378 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/23/2007
PATENT APPLICATION: US/10/774,192A   TIME: 10:33:04

Input Set : **A:\2872-US-CNT2 seq listing.txt**
Output Set: **N:\CRF4\03232007\J774192A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos.-6,7,8,563,596,607,708,729,752

VERIFICATION SUMMARY　　　　　　　　　DATE: 03/23/2007
PATENT APPLICATION:　**US/10/774,192A**　　　TIME: 10:33:04

Input Set : **A:\2872-US-CNT2 seq listing.txt**
Output Set: **N:\CRF4\03232007\J774192A.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:540
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:600
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:660
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:720